FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washing

D.C. 20E40	1
ton, D.C. 20549	OMB APPROVAL
	OND AFFINOVAL

3235-0287

0.5

gton, b.c. 20040	OMB /		
S IN RENEEICIAL OWNERSHIP	OMB Number:		

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

	Estimated average burden
pursuant to Section 16(a) of the Securities Exchange Act of 1934	hours per response:
or Section 30(h) of the Investment Company Act of 1940	

1. Name and Address of Reporting Person* Sinskey Anthony J					2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]							elationship of ck all applica Director	able)	erson(s) to Issu 10% Ow		
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.					3. Date of Earliest Transaction (Month/Day/Year) 03/31/2020							Officer (below)	give title	Other (s below)	pecify	
19 PRESIDENTIAL WAY				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street)	N M	Α	01801								Line)	Form fil	,	eporting Person nan One Report	- 1	
(City)	(S	tate)	(Zip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date			Transacti te onth/Day/	.	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			Beneficia Owned Fo	s Form ally (D) c ollowing (I) (II	orm: Direct o) or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
							Code V	Amount	(A) or (D)	Price	Reported Transacti (Instr. 3 a	on(s)		Instr. 4)		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	version Date (Month/Day/Year) in the contract of the contract	Execution Date, if any	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	3)		
Stock Option (right to buy)	\$3.77	03/31/2020		A		1,984 ⁽¹⁾⁽²⁾		03/31/2020	03/31/2030	Common Stock	1,984	\$3.5	1,984	D		

Explanation of Responses:

- 1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$6,947 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the first quarter of 2020.
- 2. All share numbers reported reflect the 1-for-40 reverse stock split effected on January 15, 2020.

/s/ Megan N. Gates, attorney-in-04/02/2020 fact

** Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.